

## Classwork

Determine if the lines are parallel, perpendicular or neither.

1.  $y = \frac{1}{2}x - 5$  and  $-2x + y = -4$

2.  $y = -2x - 11$  and  $y = \frac{1}{2}x + 4$

3.  $y = -\frac{3}{2}x - 16$  and  $3x + 2y = 12$

4.  $y = \frac{1}{3}x + 6$  and  $3x + y = -12$

Determine if the line passing through the points is parallel, perpendicular or neither.

A(1,2) B(3,4) C(5,2)  
D(8,3) E(3,8) F(-6,5)

5. AB & BC

6. AB & CD

7. AB & DE

8. CD & EF

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